

Active Recombinant Human IL3 protein, His-tagged

Cat. No. IL3-435H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL3 protein(Ala20-Phe152), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	20-152 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 1.5-6 ng/mL. 2. Recombinant Human TPO(50 ng/mL), IL-3(15 ng/mL), IL-6(15 ng/mL) and IL-11(15 ng/mL) induce hematopoietic stem and progenitor cells to differentiate into megakaryocytes. After 6 days, the induction of CD41/42+ megakaryocytes was successful.
Molecular Mass	15.93 kDa
Endotoxin	< 1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months,

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at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name IL3 interleukin 3 (colony-stimulating factor, multiple) [Homo sapiens]

Official Symbol IL3

Synonyms IL3; interleukin 3 (colony-stimulating factor, multiple); interleukin-3; hematopoietic growth factor; IL 3; mast cell growth factor; MCGF; MGC79398; MGC79399; MULTI CSF; multilineage colony stimulating factor; P cell stimulating factor; mast-cell growth factor; P-cell stimulating factor; P-cell-stimulating factor; multilineage-colony-stimulating factor; multipotential colony-stimulating factor; IL-3; MULTI-CSF;

Gene ID 3562

mRNA Refseq NM_000588

Protein Refseq NP_000579

MIM 147740

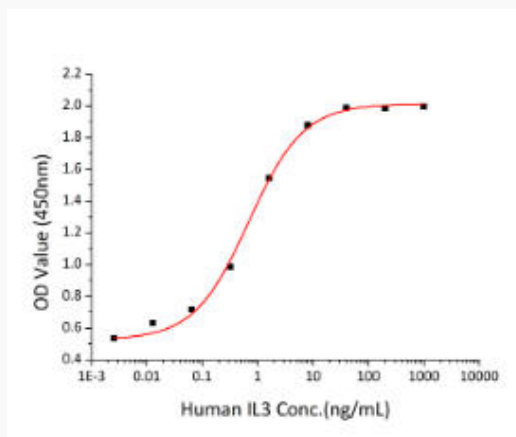
UniProt ID P08700

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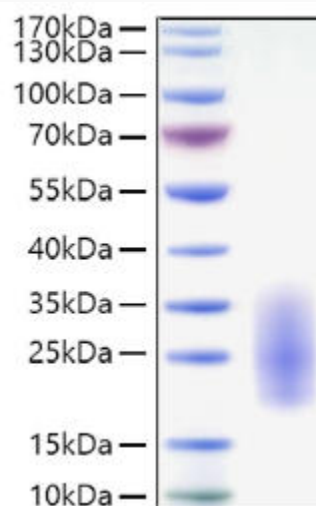
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Activity



SDS-PAGE



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